GENERAL

ACTION G-02
Create hazard recovery plans, and prioritize fixing hospitals, bridges, and other essential community assets.

ACTION G-05
Prepare for the possibility of climate migrants – displaced people moving within, from, or to the region.

ACTION G-06
Create a household preparedness plan and stock emergency supplies.

ACTION G-07
Identify a neighborhood school or other hub to coordinate local disaster response and recovery efforts.

ACTION G-08
Get to know your neighbors’ special needs, skills, and resources, so folks can help each other out following a disaster.

ACTION G-09
Encourage residents to organize or participate in regular emergency preparedness, response, and recovery planning and training events.

ACTION G-12
Increase incentives to make urban infill and redevelopment projects more viable financially.

ACTION G-14
Expand the ability to predict drought and flood events by tracking soil moisture, streamflow, precipitation, groundwater levels, tide levels, well levels, reservoir levels, and weather forecasts.
**GENERAL**

**ACTION G-15**
Create a website that discusses climate impacts on community health and welfare.

**ACTION G-18**
Limit access to parks, lakes, and other outdoor recreation areas when natural hazards (algal blooms, wildfires, floods, etc.) pose risks to public safety.

**FLOOD & EROSION**

**ACTION F-01**
Evaluate and secure sustained funding to restore and protect riparian vegetation along shorelines.

**ACTION F-09**
For sites where elevating or relocating a building is not a viable option in response to flood risks, acquire the property, use the land for appropriate uses (flood storage or agriculture, for example), and help residents resettle in the community.

**ACTION F-11**
Protect important historical or cultural sites that are at risk of coastal or inland flooding, erosion, and wildfires.

**ACTION F-15**
Minimize development, disturbance, and vegetation removal on or near steep slopes adjacent to waterbodies.

**WILDFIRE & EXTREME HEAT**

**ACTION W-01**
Create and maintain a map of the region's high-risk wildland urban interface communities and locations of wildfires.

**ACTION W-04**
Plant drought- and pest-resistant trees, shrubs, and grasses in parks, landscaping strips, and other urban areas.
Drought & Water Quality

**ACTION D-02**
Evaluate and secure sustained funding to support long-term monitoring of ground and surface water quality and quantity.

**ACTION D-03**
Increase reuse of reclaimed water for irrigating plants, supplementing low streamflow, and other purposes.

**ACTION D-05**
Increase the number of water rights that are transferred to a trust, temporarily or permanently.

**ACTION D-09**
Incentivize new commercial construction to include on-site rainwater harvesting facilities.

**ACTION D-13**
Expand septic system operation and maintenance education and outreach programs.

**ACTION D-14**
Reduce zoning density for parcels (i.e., “downzone”) and lower limits for impervious surfaces near streams and lakes with nutrient-loading problems.

**ACTION D-16**
Incentivize water metering for all wells.

Wildfire & Extreme Heat

**ACTION W-11**
Expand the region’s urban tree canopy, and manage forests responsibly.
**Plants & Animals**

**ACTION P-01**
Increase funding, education, and incentives for private landowners to manage lands in ways that enhance ecological and economic resilience (protecting and restoring forests, prairies, and shoreline/riparian areas, etc.).

**ACTION P-02**
Use best-management practices, such as installing large woody debris in rivers, to improve water temperature, streamflow, and channel conditions.

**ACTION P-03**
Create/Update basin plans that integrate climate impacts, and include goals and targets for protecting natural resources and habitat.

**ACTION P-04**
Implement monitoring practices that provide early detection of invasive species on land and in water, and expand biological control and manual removal of such plants and insects.

**ACTION P-06**
Expand efforts to monitor the cause and extent of changes in native and invasive plant distribution.

**ACTION P-08**
Increase urban agriculture and biointensive farming methods to maximize crop yields and ecosystem services.

**ACTION P-09**
Protect and enhance marine vegetation, such as eelgrass, so as to help clean water, store carbon, and improve fish habitat and survival.

**ACTION P-10**
Educate waterfront property owners about the benefits of voluntary oyster seeding and other shellfish production, and encourage such practices.
### Plants & Animals

**ACTION P-11**
Support Voluntary Stewardship Program (VSP) implementation to encourage conservation of agricultural lands and critical areas (e.g., riparian stream buffers) that provide ecosystem services.

**ACTION P-12**
Grow woody perennial crops (fruit trees, for example) that help conserve water, store carbon, and provide other ecosystem services.

### Transportation & Energy

**ACTION T-01**
Expand and retrofit the region’s energy distribution, monitoring, and storage infrastructure to support more on-site renewable energy generation.

**ACTION T-04**
Elevate, reinforce or relocate important electrical equipment that is within critical areas at risk of flooding and/or landslides.

**ACTION T-05**
Map transportation infrastructure that is vulnerable to repeated floods and/or landslides, and designate alternative travel routes for critical transportation corridors when roads must be closed because of natural hazards.

**ACTION T-06**
Relocate or retrofit low-lying roads vulnerable to coastal or inland flooding.

**ACTION T-09**
Establish energy goals/benchmarks for new buildings, and adopt permitting practices and building code design guidelines that support clean and efficient energy (passive design, rooftop solar panels, electric vehicle charging stations etc.).

**ACTION T-13**
Increase resources to monitor air quality, and enforce regulations to reduce the health risks of air pollution (surface ozone and particulate matter, for example) exacerbated by warmer temperatures and automobile emissions.
**Stressor Setback**

**Warmer Summer**

You’ve been slowed by Warmer Summer – the Puget Sound region’s warm months (April-September) being warmer than they have been historically. Stay put until you can play an action card (or wild card) that addresses this stressor.

**Ocean Acidification**

You’ve been slowed by Ocean Acidification – Puget Sound’s seawater becoming more acidic and corrosive due to greater absorption of carbon dioxide. Stay put until you can play an action card (or wild card) that addresses this stressor.

**Increasing Drought**

You’ve been slowed by Increasing Drought – the region’s dry spells becoming more frequent and intense. Stay put until you can play an action card (or wild card) that addresses this stressor.

**Intensifying Precipitation**

You’ve been slowed by Intensifying Precipitation – the region’s heavy rain events becoming more frequent and intense. Stay put until you can play an action card (or wild card) that addresses this stressor.

**Warmer Winter**

You’ve been slowed by Warmer Winter – the Puget Sound region’s cool months (October-March) being warmer than they have been historically. Stay put until you can play an action card (or wild card) that addresses this stressor.

**Population Change**

You’ve been slowed by Population Change – temporary or permanent population displacement and migration within and/or to the Puget Sound region due to climate impacts. Stay put until you can play an action card (or wild card) that addresses this stressor.

**Warmer Water**

You’ve been slowed by Warmer Water – warming affecting the chemical, biological and/or physical characteristics of the Puget Sound region’s fresh and marine waterbodies during any season. Stay put until you can play an action card (or wild card) that addresses this stressor.

**Sea-Level Rise**

You’ve been slowed by Sea-Level Rise – Puget Sound’s seawater rising due to increasing temperatures and melting land ice. Stay put until you can play an action card (or wild card) that addresses this stressor.
Resilience Road
A Game of Climate Change & Chance
**Stressor Setback**

**Increasing Drought**

Move your pawn to the stressor Increasing Drought — the region’s dry spells becoming more frequent and intense.

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**Stressor Setback**

**Ocean Acidification**

Move your pawn to the stressor Ocean Acidification – Puget Sound’s seawater becoming more acidic and corrosive due to greater absorption of carbon dioxide.

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**Stressor Setback**

**Increasing Drought**

Move your pawn to the stressor Increasing Drought — the region’s dry spells becoming more frequent and intense.

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**Stressor Setback**

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Move your pawn to the stressor Intensifying Precipitation – the region’s heavy rain events becoming more frequent and intense.

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**Stressor Setback**

**Warmer Winter**

Move your pawn to the stressor Warmer Winter – the Puget Sound region’s cool months (October-March) being warmer than they have been historically.

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**Stressor Setback**

**Sea-Level Rise**

Move your pawn to the stressor Sea-Level Rise – Puget Sound’s seawater rising due to increasing temperatures and melting land ice.

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**Stressor Setback**

**Population Change**

Move your pawn to the stressor Population Change – temporary or permanent population displacement and migration within and/or to the Puget Sound region due to climate impacts.

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**Stressor Setback**

**Warmer Water**

Move your pawn to the stressor Warmer Water – warming affecting the chemical, biological and/or physical characteristics of the Puget Sound region’s fresh and marine waterbodies during any season.
Stuck? Well, you're in luck. ... Please create an adaptation action for a climate stressor of your choosing.